

App. No. 10/731,242
Amendment Dated: April 5, 2007
Reply to Office Action of December 5, 2006

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Amendments to the Claims:

1. (Currently amended) A method for representing header and footer structures in a markup language document, comprising:

determining properties corresponding to a mini-document that relates to at least one section of an application document, wherein the mini-document includes at least one member of a group comprising: a header and a footer;

mapping the properties of the mini-document into a markup language element, wherein mapping the properties includes mapping a type attribute that corresponds to an occurrence pattern of the mini-document within the application document, wherein mapping includes mapping the properties into ~~at least one member of a group comprising:~~ a context free chunk element ~~and a table element;~~ and

storing the properties of the mini-document in the markup language document.

2-3. (Cancelled)

4. (Currently amended) The method of Claim ~~[[3]]~~ 1, wherein the type attribute corresponds to whether the mini-document occurs on a first page, odd pages, or even pages of the specified section of the application document.

5. (Cancelled)

6. (Previously presented) The method of Claim 1, further comprising:

determining properties corresponding to an additional mini-document that relates to at least one section of the application document;

mapping the properties of the additional mini-document into a markup language element, wherein mapping includes mapping the properties into at least one member of a group comprising: a context free chunk element and a table element; and

storing the properties of the additional mini-document in the markup language document.

App. No. 10/731,242
Amendment Dated: April 5, 2007
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7. (Original) The method of Claim 1, further comprising:
determining whether properties associated with all mini-documents of the application document have been stored in the markup language document; and
processing further mini-documents when the properties associated with all mini-documents have not been stored in the markup language document.
8. (Original) The method of Claim 1, wherein the properties of the mini-document stored in the markup language document are understood by an application that understands the markup language when the mini-document is not native to the application.
9. (Original) The method of Claim 1, wherein the markup language document is manipulated on a server to substantially reproduce the mini-document of the application document notwithstanding the presence of an application that generated the markup language document.
10. (Currently amended) A computer-readable medium for representing headers and footers in a markup language document, comprising:
determining properties relating to a mini-document used within a word-processing document;
determining whether the mini-document is at least one member of a group comprising: of a header and a footer;
writing the properties into a markup language element, wherein writing the properties includes mapping a type attribute that corresponds to an occurrence pattern of the mini-document within the word-processing document. wherein writing includes writing the properties into ~~at least one member of a group comprising: a context free chunk element and a table element;~~ and
storing the properties in the markup language document such that the headers and footers of the word-processing document are substantially maintained when the markup language document is parsed by an application.

App. No. 10/731,242
Amendment Dated: April 5, 2007
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11. (Original) The computer-readable medium of Claim 10, wherein the markup language document is manipulated on a server to substantially reproduce the mini-document of the word-processing document notwithstanding the presence of an application that generated the markup language document.

12. (Original) The computer-readable medium of Claim 10, wherein the properties of the mini-document stored in the markup language document are understood by an application that understands the markup language when the mini-document is not native to the application.

13. (Cancelled)

14. (Original) The computer-readable medium of Claim 13, wherein the type attribute corresponds to whether the mini-document occurs on a first page, odd pages, or even pages of the specified section of the word-processing document.

15. (Cancelled)

16. (Previously presented) The computer-readable medium of Claim 10, further comprising:
determining properties corresponding to an additional mini-document that relates to at least one section of the word-processing document;

mapping the properties of the additional mini-document into a markup language element, wherein mapping includes mapping the properties into at least one member of a group comprising: a context free chunk element and a table element; and

storing the properties of the additional mini-document in the markup language document.

17. (Original) The computer-readable medium of Claim 10, further comprising:
determining whether properties associated with all mini-documents of the word-processing document have been stored in the markup language document; and

App. No. 10/731,242
Amendment Dated: April 5, 2007
Reply to Office Action of December 5, 2006

processing further mini-documents when the properties associated with all mini-documents have not been stored in the markup language document.

18. (Currently amended) A system for representing header and footer information in a markup language document, comprising:

a processor; and

a memory associated with computer-executable instructions configured to:

determine properties relating to a mini-document included in at least one section of an application document;

determine whether the mini-document is at least one member of a group comprising: one of a header and a footer;

map the properties into a markup language element, wherein mapping the properties includes mapping a type attribute that corresponds to an occurrence pattern of the mini-document within the application document, wherein mapping includes mapping the properties into at least one member of a group comprising: a context free chunk element and a table element; and

store the properties in the markup language document; and
a validation engine configured to validate the markup language document.

19. (Previously presented) The system of Claim 18, wherein the application is further configured to:

determine properties corresponding to an additional mini-document that relates to at least one section of the application document;

map the properties of the additional mini-document into a markup language element, wherein mapping includes mapping the properties into at least one member of a group comprising: a context free chunk element and a table element; and

store the properties of the additional mini-document in the markup language document.

20. (Original) The system of Claim 18, wherein the application is further configured to:

App. No. 10/731,242
Amendment Dated: April 5, 2007
Reply to Office Action of December 5, 2006

determine whether properties associated with all mini-documents of the application document have been stored in the markup language document; and
process further mini-documents when the properties associated with all mini-documents have not been stored in the markup language document.

21. (Original) The system of Claim 18, wherein the properties of the mini-document stored in the markup language document are understood by an additional application that understands the markup language when the mini-document is not native to the additional application.

22. (Original) The system of Claim 18, wherein the markup language document is manipulated on a server to substantially reproduce the mini-document of the application document notwithstanding the presence of the application that generated the markup language document.